

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A hot blown plastic film for chub packaging, comprising consisting essentially of:

- a. at least one sealing layer, comprising at least one member of the group consisting of low density polyethylene, linear low density polyethylene, ethylene ester copolymers, ethylene alpha olefin copolymers, polypropylene copolymers or homopolymers, very low density polyethylene, polybutylene, styrene based copolymers, ionomers, ~~and~~ ethylene methacrylic acid copolymers, and combinations thereof;
- b. at least one barrier layer, comprising polyvinylidene chloride polymers;
- c. at least one intermediate layer, comprising ethylene ester copolymers, ethylene ester polymers, chemically modified polyethylenes and/or chemically modified polypropylenes.

Claim 2 (original) A plastic film according to claim 1, characterized in that said film comprises two outer sealing layers.

Claim 3 (original) A plastic film according to claim 1, characterized in that said film comprises one barrier layer.

Claim 4 (original) A plastic film according to claim 1, characterized in that said film comprises two or more intermediate layers.

Claim 5 (original) A plastic film according to claim 1, characterized in that said film comprises 2-10 intermediate layers.

Claim 6 (original) A plastic film according to claim 1, characterized in that said film comprises 4-8 intermediate layers.

Claim 7 (original) A plastic film according to claim 1, characterized in that said film comprises 6 intermediate layers.

Claim 8 (original) A plastic film according to claim 1, characterized in that said one or more intermediate layers comprise one or more ethylene ester polymers.

Claim 9 (original) A plastic film according to claim 8, characterized in that said one or more intermediate layers comprise one or more members of the group consisting of ethylene vinyl acetate copolymers, ethylene methyl acrylate copolymers, ethylene ethyl acrylate copolymers, ethylene methyl methacrylate copolymers, ethylene butyl acrylate copolymers and terpolymers of said polymers.

Claim 10 (original) A plastic film according to claim 8, characterized in that said one or more intermediate layers comprise an ethylene vinyl acetate copolymer.

Claim 11 (original) A plastic film according to claim 8, characterized in that said one or more intermediate layers comprise an ethylene methyl acrylate copolymer.

Claim 12 (original) A plastic film according to claim 1, characterized in that said sealing layer comprises an alpha-olefin plastomer copolymer.

Claim 13 (original) A plastic film according to claim 1, characterized in that said sealing layer comprises an ethylene-vinyl acetate copolymer.

Claim 14 (original) A plastic film according to claim 1, characterized in that said sealing layer comprises an alpha-olefin plastomer copolymer and an ethylene-vinyl acetate copolymer.

Claim 15 (original) A plastic film according to claim 1, characterized in that said barrier layer comprises one or more polyvinylidene chloride polymers selected from the group consisting of methyl acrylate-polyvinylidene chloride copolymer and vinylidene chloride copolymers.

Claim 16 (original) A plastic film according to claim 1, characterized in that said barrier layer comprises a methylacrylate-polyvinylidene chloride copolymer.

Claim 17 (original) A plastic film according to claim 1, characterized in that said one or more intermediate layers comprise one or more pigments.

Claim 18 (currently amended) A plastic film according to claim 1, comprising:

a. at least one sealing layer, comprising at least one member of the group consisting of low density polyethylene, linear low density polyethylene, ethylene ester copolymers, ethylene alpha olefin copolymers, polypropylene copolymers or homopolymers, very low density polyethylene, polybutylene, styrene based copolymers, ionomers, ethylene methacrylic acid copolymers, and combinations thereof;

b. at least one barrier layer, comprising polyvinylidene chloride polymers;

c. at least one intermediate layer, comprising ethylene ester copolymers, ethylene ester polymers, chemically modified polyethylenes and/or chemically modified polypropylenes,

characterized in that said one or more intermediate layers comprises ~~a material comprising~~ 70% by weight white TiO₂ pigment.

Claim 19 (original) A plastic film according to claim 1, characterized in that said sealing layer(s) comprise(s) additives in suitable amounts, such as to improve the machinability or other properties of the film.

Claim 20 (original) A plastic film according to claim 19, characterized in that said sealing layer(s) comprise(s) as said additives slip agents and/or polymer processing agents.

Claim 21 (original) A plastic film according to claim 19, characterized in that said sealing layer(s) comprise(s) said additives in an amount of 1-10 wt.-%.

Claim 22 (currently amended) A plastic film according to claim 19, characterized in that said ~~sealing layer comprises an additive comprising~~ additives comprise 5% by weight of erucamide and 10 % by weight of natural silica.

Claim 23 (currently amended) A plastic film ~~according to claim 1~~, having the following structure:
a. an outer heat sealing layer comprising:

74% by weight of an alpha-olefin plastomer copolymer, wherein the plastomer is Affinity PL-1880 from Dow having a melting point of ~~99C~~ 99° C, a density of 0.902 g/ml and a melt index of 1.0g/10 min;

24% by weight of an ethylene-vinyl acetate copolymer EVATANE 1003 VN4 material, having MFI 0.35 and 14% VA;

2% by weight of slip additives and polymer processing aids;

b. an adjacent intermediate layer, consisting of EVA copolymer ELVAX 3165(DUPONT), having 18% by weight VA and a melt flow index (MFI) of 0.7;

c. an adjacent intermediate layer, consisting of EVA copolymer ELVAX 3190(DUPONT), having 25% by weight VA and MFI 2;

d. an adjacent intermediate layer, comprising 70% by weight of EMA copolymer LOTRYL 29 MA03, having 29% by weight MA and MFI 3 and 30% by weight of EMA copolymer LOTRYL 24MA005, having 24% by weight MA and MFI 0.6;

e. an adjacent barrier layer, consisting of MA-PVDC copolymer, namely XU 32019.1 OL material,

f. an adjacent intermediate layer, comprising 70% by weight of EMA copolymer LOTRYL 29 MA03, having 29% by weight MA and MFI 3 and 30% by weight of EMA copolymer LOTRYL 24MA005, having 24% by weight MA and MFI 0.6;

g. an adjacent intermediate layer, consisting of EVA copolymer ELVAX 3190(DUPONT), having 25% by weight VA and MA 2;

h. an adjacent intermediate layer, consisting of EVA copolymer ELVAX 3165(DUPONT), having 18% by weight VA and 0.7 MFI; and

i. an outer heat sealing layer, comprising:

74% of an alpha-olefin plastomer copolymer, which plastomer is Affinity PL-1880 from Dow having a melting point of ~~99C~~ 99° C, a density of 0.902 and a melt index of 1.0g/10 min;

24% by weight of an ethylene-vinyl acetate copolymer EVATANE 1003 VN4 material, having MFI 0.35 and 14% by weight VA;

2% by weight of slip additives and polymer processing aids.

Claim 24 (original) A plastic film according to claim 1, characterized in that said film is irradiated.

Claim 25 (original) A plastic film according to claim 1, characterized in that said film is a coextruded film.

Claim 26 (canceled)

Claim 27 (original) Process of chub packaging, comprising packaging a product with a film according to claim 1.

Claim 28 (original) A chub package made from the film of claim 1.